

FORM PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
P29496Application No.  
10/571,460INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(Use several sheets if necessary)

Applicant  
Akira AHASHI et al.Filing Date  
I.A. Filed September 9, 2004Group  
Not Yet Assigned

JUN 13 2006

## U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/K.G./	4 9 2 8 9 3 1	05/29/90	DISLICH et al.			
↓	5 1 2 4 2 8 5	06/23/92	DISLICH			
	5 3 7 4 5 9 3	12/20/94	HUARD et al.			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
/K.G./	11	- 2 7 7 2 2 0	10/12/99	JAPAN			
↓	7	- 2 5 1 2 6 1	10/03/95	JAPAN			
	2000	- 3 1 7 6 2 5	11/21/00	JAPAN			
	11	- 3 0 0 4 6 8	11/02/99	JAPAN			
	8	- 0 9 0 2 1 4	04/09/96	JAPAN			
	65	- 2 4 4 5 7 0	10/24/87	JAPAN			
	1	- 1 8 0 7 7 6	07/18/89	JAPAN			
		3 0 5 6 2 6 0	06/06/00	JAPAN			
	6	- 0 7 1 4 2 4	03/15/94	JAPAN			
	10	- 0 5 8 1 2 6	03/03/98	JAPAN			
↓	59	- 0 0 5 3 8 8	02/04/84	JAPAN			
	60	- 0 5 7 9 4 2	12/17/85	JAPAN			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/K.G./	1	English Language Abstract of JP 11-277220.
↓	2	English Language Abstract of JP 7-251261.
	3	English Language Abstract of JP 2000-317625.
	4	English Language Abstract of JP 11-300468.
	5	English Language Abstract of JP 8-090214.
	6	English Language Abstract of JP 62-244570.
	7	English Language Abstract of JP 1-180776.
	8	English Language Abstract of JP 3056260.
	9	English Language Abstract of JP 6-071424.
	10	English Language Abstract of JP 10-058126.
↓	11	Pan, H.C., Ko, Y.C. "Microstructural and morphological changes of silica and chromite packing sands for sliding gate system for steel ladles after heating at temperature", Ironmaking and Steelmaking, 1992, vol. 19, no. 5, pp. 390-393.

EXAMINER

/Karl Group/

DATE CONSIDERED

09/20/2007

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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1755**

U.S. PATENT DOCUMENTS

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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

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